

NCPC File No. 7526

Submitted by: United States General Services Administration

Preliminary and Final Site Development Plans

Commission meeting date: March 5, 2015

NCPC review authority: Federal Projects (40 U.S.C. § 8722(b)(1) and (d))

Applicant request: Approval of preliminary and final site development plans

Delegated / consent / open / executive session: Delegated

NCPC Review Officer: Hart

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Project summary:

GSA has submitted a project on behalf of DHS to install 2 interim cell phone antennas at the Department of Homeland Security HQ at the Saint Elizabeths West Campus in Southeast Washington, DC. These 2 cell phone antennas are to be placed on top of existing 34-foot electrical poles in two locations on the campus. These antennas and attachment arms will bring the total height of the electrical pole to 40 feet. Small electrical panel boxes will be installed on the ground in close proximity to the antennas.

The Commission approved 24 antennas on the campus in December 2012. These antennas were to improve military and emergency communications on the campus. The additional 2 cell phone antennas are to improve cell phone service for users within the campus.

Locations of Approved Antennas



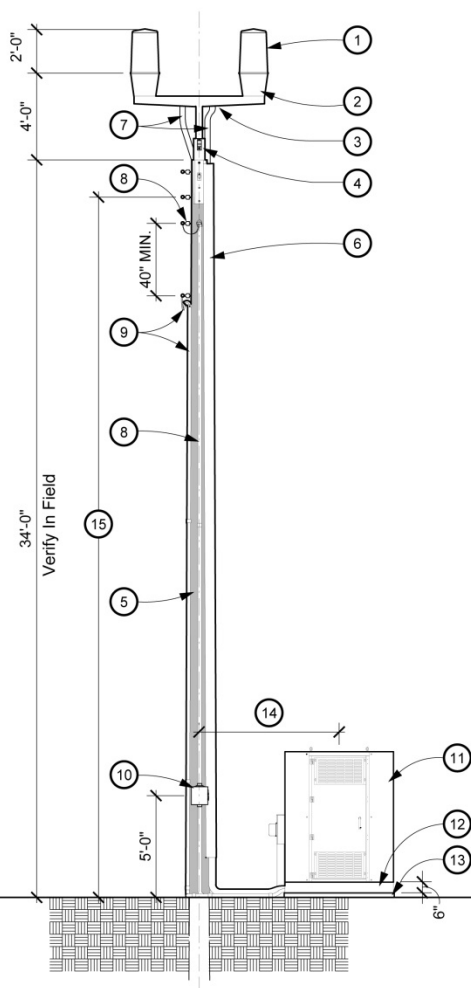
St. Elizabeths West Campus Site Plan

Locations of Proposed Cell Antennas



St. Elizabeths West Campus Site Plan

Antenna Photo Simulation and Detailed Elevation




1 Enlarged Elevation of Dual Antenna
Not to Scale

Sheet Notes

- 1 **ANTENNA**
KATHREIN 12-PORT OMNI
- 2 **SHROUD**
CONE SHAPED COVER TO CONCEAL ATTACHMENT AND CABLING - PAINT TO MATCH POLE
- 3 **SUPPORT ARM**
METAL SUPPORT ARM TO PERMIT REQUIRED HORIZONTAL SEPARATION OF ANTENNAS - SHAPE TBD, AS NEEDED TO PROVIDE STRUCTURAL SUPPORT AND CONCEAL CABLING FROM POLE TO SHROUD
- 4 **POLE EXTENSION**
AS NEEDED TO RAISE ANTENNAS 4' FEET ABOVE EXISTING WIRES
- 5 **WOOD POLE**
WOOD UTILITY POLE WITH APPROXIMATELY 5'-0" BELOW GRADE
- 6 **SURFACE MOUNTED CABLES**
U-GUARD COVER OVER CABLES MOUNTED TO SURFACE OF POLE
- 7 **COAX CABLES**
- 8 **EXISTING POWER**
CONNECTION TO EXISTING POWER LINE. 2" CONDUIT TO GROUND FURNITURE.
- 9 **NEW HORIZONTAL AERIAL RUN - NEW FIBER OPTIC**
CONNECTION TO NEW FIBER CABLE. 2" CONDUIT TO GROUND FURNITURE.
- 10 **DISCONNECT**
CONNECT TO NEW FIBER CABLE. 2" CONDUIT TO GROUND FURNITURE.
- 11 **GROUND FURNITURE CABINET**
ALPHA METAL EQUIPMENT CABINET, PAINTED TO MATCH STANDARD COLOR POLE - LOCATE AT EACH NODE TO MINIMIZE VISIBILITY
- 12 **6" I BEAM STAND OFF**
- 13 **4" CONCRETE PAD**
- 14 **DISTANCE FROM POLE TO GFC**
THIS DISTANCE WILL BE CONFIRMED ON SITE, BUT IS TYPICALLY LESS THAN 20'
- 15 **DISTANCE FROM GROUND TO EXISTING WIRES-**
VERIFY IN FIELD.

NOTE
CABINET WILL BE LOCATED CLOSE TO ONE OF THE ADJACENT BUILDINGS TO MINIMIZE THE VISUAL IMPACT

 COLOR CODE ON SITE PLAN - SEE EX1.01



Location 4



Location 5